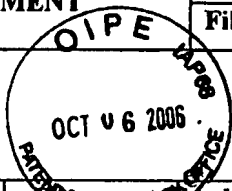


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| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT | Docket No. 22338-444 | Application No. Continuation of 10/617,573 |
| | Applicant(s): Jian CHEN, et al. | Examiner: Jiang, Dong |
| | Filing Date: July 11, 2003 | Group Art Unit: 1646 |




FOREIGN PATENT DOCUMENTS

| | Ref | Document Number | Date | Country | Class | Subclass | Translation |
|------|-----|-----------------|------|---------|-------|----------|-------------|
| /DJ/ | | CA 2401273 | | | | | |
| ↓ | | CA 2378519 | | | | | |
| | | CA 2403370 | | | | | |
| | | CA 2343569 | | | | | |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|------|--|-------------------------------------|
| /DJ/ | | Genbank, Acc# AL132 (Nov. 15, 1999) |
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| EXAMINER /Dong Jiang/ | DATE CONSIDERED 04/02/2007 |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |
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|---|-----|--|----------|---|----------------------------|----------------------------------|-------------------------|
| FORM PTO-1449 | |  | | U.S. Dept. of Commerce Patent and Trademark Office | | Atty Docket No. P1381R1C1P4C1 | Serial No. 10/617573 |
| LIST OF DISCLOSURES CITED BY APPLICANT (Use several sheets if necessary) | | | | Applicant Jian Chen et al. | | Filing Date 11 Jul 2003 | Group 1646 |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | | Document Number | Date | Name | Class | Subclass | Filing Date |
| <i>DX</i> | * 1 | 5,536,637 | 16.07.96 | Jacobs, K. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner Initials | | Document Number | Date | Country | Class | Subclass | Translation Yes No |
| <i>DX</i> | * 2 | WO00/53752 | 14.09.00 | | | | |
| | * 3 | WO00/70050 | 23.11.00 | | | | |
| | * 4 | WO00/73452 | 07.12.00 | | | | |
| | * 5 | WO96/29408 | 26.09.96 | | | | |
| | * 6 | WO99/14240 | 25.03.99 | | | | |
| | * 7 | WO99/46281 | 16.09.99 | | | | |
| | * 8 | WO99/60127 | 25.11.99 | | | | |
| | * 9 | WO 94/01548 | 20.01.94 | PCT | | | |
| | *10 | WO 98/49310 | 05.11.98 | PCT | | | |
| | *11 | WO 99/03982 | 28.01.99 | PCT | | | |
| | *12 | WO 99/32632 | 01.07.99 | PCT | | | |
| | *13 | WO 99/35267 | 15.07.99 | PCT | | | |
| | *14 | WO 99/61617 | 12.02.99 | PCT | | | |
| OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| <i>DX</i> | *15 | Aarvak et al., "IL-17 Is Produced by Some Proinflammatory Th1/Th0 Cells but not by Th2 Cells" <u>Journal of Immunology</u> 162:1246-1251 (1999) | | | | | |
| | *16 | Albanesi et al., "IL-17 Is Produced by Nickel-Specific T Lymphocytes and Regulates ICAM-1 Expression and Chemokine Production in Human Keratinocytes: Synergistic or Antagonist Effects with IFN- γ and TNF- α " <u>Journal of Immunology</u> 162:494-502 (1999) | | | | | |
| | *17 | Aliprantis, "Cell Activation and Apoptosis by Bacterial Lipoproteins Through Toll-like Receptor-2" <u>Science</u> 285:736-739 (Jul 30, 1999) | | | | | |
| | *18 | Altachul and Gish, "Local Alignment Statistics" <u>Methods in Enzymology</u> 266:460-480 (1996) | | | | | |
| | *19 | Amin and Abramson., "The Role of Nitric Oxide in Articular Cartilage Breakdown in Osteoarthritis." <u>Curr. Opin. Rheum.</u> 10(3):263-268 (1998) | | | | | |
| | *20 | Antonyesamy et al., "Evidence for a role of IL-17 in organ allograft rejection: IL-17 promotes the functional differentiation of dendritic cell progenitors" <u>J. Immunol.</u> 162(1):577-584 (1999) | | | | | |
| | *21 | Antonyesamy, M.A. et al., "Evidence for a role of IL-17 in alloimmunity: a novel IL-17 antagonist promotes heart graft survival" <u>Transplant Proc.</u> 31(1-2):93 (1999) | | | | | |
| | *22 | Arend et al., "Cytokines and Cytokine Inhibitors or Antagonists in Rheumatoid Arthritis" <u>Arthritis Rheum.</u> 33:305-315 (1990) | | | | | |
| | *23 | Attur et al., "Interleukin-17 Up-Regulation of Nitric Oxide Production in Human Osteoarthritis Cartilage" <u>Arthritis and Rheumatism</u> 40(6):1050-1053 (Jun 1997) | | | | | |
| | *24 | Avane et al., "NF- κ B-Inducing Kinase is a Common Mediator of IL-17-TNF- α , and IL-1 β -Induced Chemokine Promoter Activation in Intestinal Epithelial Cells" <u>J. Immunol</u> 162:5337-5344 (1999) | | | | | |
| Examiner <i>Dong J.</i> | | | | | Date Considered 7/18/06 | | |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

FORM PTO-1449

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P1381R1C1P4C1

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10/617573

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Jian Chen et al.

Filing Date

11 Jul 2003

Group

1646

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|----|---|
| 25 | Biesinger et al., "Stable growth transformation of human T lymphocytes by Herpesvirus saimiri" <u>Proc. Natl. Acad. Sci. USA</u> 89:3116-3119 (Apr 1992) |
| 26 | BLAST Results A-1 - A-1 (Dayhoff) |
| 27 | BLAST Results B-1 - B-10 (Dayhoff) |
| 28 | Blast Results, "A1-A24" <u>Exhibit A</u> |
| 29 | Blast Results, "B1-B33" <u>Exhibit B</u> |
| 30 | Brightbill, "Host Defense Mechanisms Triggered by Microbial Lipoproteins Through Toll-Like Receptors" <u>Science</u> 285:732-736 (Jul 30, 1999) |
| 31 | Broxmeyer, H.B., "Is Interleukin 17, An Inducible Cytokine That Stimulates Production of Other Cytokines, Merely a Redundant Player in a Sea of Other Biomolecules?" <u>Journal of Experimental Medicine</u> 183:2411-2415 (Jun 1996) |
| 32 | Chabaud et al., "Enhancing Effect of IL-17 on IL-1-Induced IL-6 and Leukemia Inhibitory Factor Production by Rheumatoid Arthritis Synoviocytes and Its Regulation by Th2 Cytokines" <u>Journal of Immunology</u> 161:409-414 (1998) |
| 33 | Chabaud et al., "Human Interleukin-17: A T Cell-Derived Proinflammatory Cytokine Produced by the Rheumatoid Synovium" <u>Arthritis & Rheumatism</u> 42(5):963-970 (1999) |
| 34 | Faerman, "The expression of the regulatory myosin light chain 2 gene during mouse embryogenesis" <u>Development</u> 118:919-929 (1993) |
| 35 | Farndale et al., "Improved quantitation and discrimination of sulphated glycosaminoglycans by use of dimethylmethylene blue" <u>Biochem. Biophys. Acta</u> 883:173-177 (1986) |
| 36 | Pfleckenstein and Desrosiers, "Herpesvirus saimiri and herpesvirus ateles" <u>In the Herpesviruses</u> , I.B. Roizman, ed., NY:Plenum Publishing Press pps. 253-332 (1982) |
| 37 | Fossiez et al., "Interleukin-17" <u>Int. Rev. Immunol.</u> 16(5-6):541-551 (1998) |
| 38 | Fossiez et al., "T Cell Interleukin-17 Induces Stromal Cells to Produce Proinflammatory and Hematopoietic Cytokines" <u>Journal of Experimental Medicine</u> 183(6):2593-2603 (Jun 1996) |
| 39 | Gordon et al., "Molecular immunobiology of macrophages: recent progress" <u>Current Opinion in Immunology</u> 7:24-33 (1995) |
| 40 | Guo, "Biochemical Characterization of Endogenously Formed Eosinophilic Crystals in the Lungs of Mice" <u>The Journal of Biological Chemistry</u> 275(11):8032-8037 (Mar 17, 2000) |
| 41 | Hillier et al., "af37c02.s1 Soares total fetus NB2HP8 9w Homo sapiens cDNA clone 1033826 3'" (Accession number AA780147) (Feb 6, 1998) |
| 42 | Hillier et al., "af01f09.s1 Soares fetal heart NBKH19W Homo sapiens cDNA clone 375689 3'" (Accession number AA033733) (Feb 4, 1997) |
| 43 | Infante-Duarte, "Microbial Lipopeptides Induce the production of IL-17 in Th cells" <u>The Journal of Immunology</u> 165:6107-6115 (2000) |
| 44 | Jovanovic et al., "IL-17 Stimulates the Production and Expression of Proinflammatory Cytokines, IL- β and TNF- α , by Human Macrophages" <u>J. Immunol</u> 160:3513-3521 (1998) |

Examiner

Dong J. J.

Date Considered

7/18/06

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1381R1C1P4C1

Serial No.

10/617573

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Jian Chen et al.

Filing Date

11 Jul 2003

Group

1646

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

- 45 Jovanovic et al., "Stimulation of 92-kd gelatinase (matrix metalloproteinase 9) production by interleukin-17 in human monocyte/macrophages" Arthritis and Rheumatism 43(5):1134-1144 (2000)
- 46 Kennedy et al., "Mouse IL-17: A Cytokine Preferentially Expressed by $\alpha\beta$ TCR-CD4-CD8- T Cells" Journal of Interferon and Cytokine Research 16(8):611-617 (1996)
- 47 Kingsley et al., "Joint destruction in rheumatoid arthritis: biological bases" Clin. Exp. Rheumatol. 15:83-814 (1997)
- 48 Klein et al., "Selection for Genes Encoding Secreted Proteins and Receptors" Proc. Natl. Acad. Sci. USA 93(14):7108-7113 (1996)
- 49 Kong et al., "Activated T Cells Regulate Bone Loss and Joint Destruction in Adjuvant Arthritis through Osteoprotegerin Ligand" Nature 402(6759):304-309 (1999)
- 50 Kotake et al., "IL-17 in synovial fluids from patients with rheumatoid arthritis is a potent stimulator of osteoclastogenesis" Journal of Clinical Investigation 103(9):1345-1352 (1999)
- 51 Laan, "Neutrophil Recruitment by Human IL-17 via C-X-C- Chemokine release in the Airways" The Journal of Immunology 162:2347-2352 (1999)
- 52 Lee, et al., "IL-17E, a Novel Proinflammatory Ligand for the IL-17 Receptor Homolog IL-17Rh1" The Journal of Biological Chemistry 276(2):1660-1664 (2001)
- 53 Lennon et al., "The Y.M.A.G.E. Consortium: An Integrated Molecular Analysis of Genomes and Their Expression" Genomics (Article #0177) 33:151-152 (1996)
- 54 Li et al., "Cloning and characterization of the IL-17B and IL-17C two new members of the IL-17 cytokine family" Proc. Natl. Acad. Sci. USA 97(2):773-778 (2000)
- 55 Linden, "Airway neutrophils and interleukin-17" Eur Respir J 15:973-977 (2000)
- 56 Lotz et al., "IL-17 Promotes Cartilage Degradation" Cytokines (ACR Abstract Session 10, October 19, 1996, abstract #559) pps. S120 (1996)
- 57 Lubberts, "IL-4 gene therapy for collagen arthritis suppresses synovial IL-17 and osteoprotegerin ligand and prevents bone erosion" The Journal of Clinical Investigation 105:1697-1710 (2000)
- 58 Luckow et al., "Trends in the Development of Baculovirus Expression Vectors" Bio/Technology 6:47-55 (1988)
- 59 March et al., "Cloning, sequence and expression of two distinct human interleukin-1 complementary DNAs" Nature 315:641-647 (Jun 20, 1985)
- 60 Narra et al., "The WashU-HMMIMouse EST project, Locus AA763404, 1/27/98, Accessed 12/13/00"
- 61 Martel-Pelletier et al., "Major Signaling Pathways Involved in the IL-17 Induced Nitric Oxide (NO) Production in Human Osteoarthritic Chondrocytes" Orthopaedic Research Society (45th Annual Meeting, Feb 1-4, 1999, pt 2) 24:595 (1999)
- 62 Matusevicius et al., "Interleukin-17 mRNA expression in blood and CSF mononuclear cells is augmented in multiple sclerosis" Multiple Sclerosis 5:101-104 (1999)
- 63 Metcalf, "Control of Granulocytes and Macrophages: Molecular, Cellular, and Clinical Aspects" Science 254:529-533 (Oct 25, 1991)
- 64 Rouvier et al., "CTLA-8, Cloned from an Activated T Cell, Bearing AU-Rich Messenger RNA Instability Sequences, and Homologous to a Herpesvirus Saimiri Gene" Journal of Immunology 150(12):5445-5456 (Jun 15, 1993)

Examiner

Dong Jia

Date Considered

7/18/06

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Dept. of Commerce
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Atty Docket No.

P1381R1C1P4C1

Serial No.

10/617573

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Jian Chen et al.

Filing Date

11 Jul 2003

Group

1646

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

- *65 Schwarzenberger et al., "IL-17 Stimulates Granulopoiesis in Mice: Use of an Alternate, Novel Gene Therapy-Derived Method for In Vivo Evaluation of Cytokines" Journal of Immunology 161:6383-6389 (1998)
- *66 Schwarzenberger, "Requirement of Endogenous Stem Cell Factor and granulocyte-Colony-Stimulating Factor for IL-17 Mediated Granulopoiesis" The Journal of Immunology 164:4783-4789 (2000)
- *67 Seow, H.P., "Pathogen interactions with cytokines and host defence: an overview" Vet Immunol. Immunopathol. 63(1-2):139-148 (1998)
- *68 Shalom-Barak et al., "Interleukin-17-induced Gene Expression in Articular Chondrocytes is Associated with Activation of Mitogen-activated Protein Kinases and NF- κ B" Journal of Biological Chemistry 273(42):27467-27473 (Oct 16, 1998)
- *69 Shani, "Expression of the Rat Myosin Light-Chain 2 Gene in Transgenic Mice: Stage Specificity, Developmental Regulation, and Interrelation with the Endogenous Gene" Molecular & Cellular Biology 8(2):1006-1009 (Feb 1988)
- *70 Shi, "A Novel Cytokine Receptor-Ligand Pair: Identification, Molecular Characterization and In Vivo Immunomodulatory Activity." J. Biological Chemistry, American Society of Biological Chemists, Baltimore 275(25):19167-19176 (Jun 23, 2000)
- *71 Spriggs, M.K., "Interleukin-17 and Its Receptor" Journal of Clinical Immunology 17(5):366-369 (1997)
- *72 Subramaniam et al., "Evidence for the Involvement of JAK/STAT Pathway in the Signaling Mechanism of Interleukin-17" Biochem. & Biophys. Res. Comm. 262:14-19 (1999)
- *73 Subramaniam et al., "Interleukin-17 Induces Rapid Tyrosine Phosphorylation and Activation of Raf-1 Kinase in Human Monocytic Progenitor Cell Line U937" Biochem. & Biophys. Res. Comm. 259:172-177 (1999)
- *74 Tartour et al., "Interleukin 17, a T-cell-derived Cytokine, Promotes Tumorigenicity of Human Cervical Tumors in Nude Mice" Cancer Research 59:3698-704 (1999)
- *75 Teunissen et al., "Interleukin-17 and Interferon- γ Synergize in the Enhancement of Proinflammatory Cytokine Production by Human Keratinocytes" J. Invest. Dermatol. 111:645-649 (1998)
- *76 Tian, "EVI27 encodes a novel membrane protein with homology to the IL-17 receptor" Oncogene 19:2098-2109 (2000)
- *77 Van Bezooijen et al., "Interleukin-17: A New Bone Acting Cytokine In Vitro" Journal of Bone and Mineral Research 14(9):1513-1521 (1999)
- *78 Van Kooten et al., "Interleukin-17 Activates Human Renal Epithelial Cells in Vitro and is Expressed during Renal Allograft Rejection" J. Am. Soc. Nephrol. 9:1526-1534 (1998)
- *79 Vukicevic et al., "Induction of nephrogenic mesenchyme by osteogenic protein 1 (bone morphogenetic protein 7)" Proc. Natl. Acad. Sci. 93:9021-9026 (1996)
- *80 Witowski, "IL-17 Stimulates Intraperitoneal Neutrophil Infiltration Through the Release of GRO/141 Chemokine from Mesothelial Cells" The Journal of Immunology 165:5814-5821 (2000)
- *81 Yao et al., "Herpesvirus Saimiri Encodes a New Cytokine, IL-17, which Binds to a Novel Cytokine Receptor" Immunity 3:811-821 (Dec 1995)
- *82 Yao et al., "Human IL-17: A Novel Cytokine Derived from T Cells" Journal of Immunology 155(12):5483-5486 (1995)
- *83 Yao et al., "Molecular Characterization of the Human Interleukin (IL)-17 Receptor" Cytokine 9(11):794-800 (Nov 1997)
- *84 Zhu, "Pulmonary expression of interleukin-13 causes inflammation, mucus hypersecretion, subepithelial fibrosis, physiologic abnormalities, and eotaxin production" J. Clin. Invest 103(6):779-788 (Mar 1999)

Examiner

Dong J.

Date Considered

7/18/06

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

